

## IN THE CLAIMS

Please cancel claim 4 without prejudice and amend the claims as follows:

1. (Currently Amended)      Communication system, comprising: a network, one or more optical transmitters and that may be subjected to potential noise sources, wherein the communication system includes an adaptive filter means coupled between the potential noise sources and the at least one optical transmitter, which filter ~~means~~ has a cut-off frequency, dependent on the noise frequency, and a noise detector, wherein the adaptive filter (1) blocks detected impulse noise from passing upstream through the communication system, (2), enables prevention of clipping of the optical transmitter and wherein (3) enables substantially undisturbed upstream communication above the cut-off frequency of the filter ~~means lies in the range of 10 to 15 MHz.~~

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cont  
2. (Canceled)

3. (Previously Presented)      Communication system according to claim 1, wherein the filter ~~means~~ are arranged as a high pass filter and/or a low pass filter.

4. Canceled.

5. (Previously Presented)      Communication system according to claim 4, wherein the communication system comprises a threshold detector and a controllable switch having a control input coupled to the threshold detector.

6. (Previously Presented)      Communication system according to claim 5, wherein the communication system comprises a summing device for summing at least one filtered version of an impulse noise containing RF signal.

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end | 7. (Currently Amended) A ~~F~~filter ~~means~~ for application in the communication system according to claim 1, wherein the filter ~~means~~ hasve a cut-off frequency, which is chosen in dependence on the noise frequency, wherein the cut-off frequency of the filter ~~means~~ lies in the range of 10 to 15 MHz.

8. (Canceled)

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